

defining the calibration pattern;

generating data defining a three-dimensional computer model of the subject object relative to the stored calibration pattern using the calculated positions and orientations;

selecting data defining a recorded image in dependence upon the stored calibration pattern; and

displaying an image in dependence upon the selected image data.

21. A method of generating data defining a three-dimensional computer model of a subject object and data defining an image to show a predetermined part of the subject object, comprising:

receiving image data defining images of a subject object together with a calibration pattern recorded at different relative recording positions and/or orientations, the subject object being positioned relative to the calibration pattern so that a selected part of the subject object which is to appear in an image is in a predetermined direction relative to the calibration pattern;

processing the image data to calculate the relative positions and orientations at which the images were recorded by comparing the calibration pattern in the

images with stored data defining the calibration pattern; generating data defining a three-dimensional computer model of the subject object relative to the stored calibration pattern using the calculated positions and orientations; and

generating data defining an image of the selected part of the subject object in dependence upon the stored calibration pattern and the received image data.

10 22. A method of generating data defining an image of a predetermined part of a subject object, comprising:

15 receiving image data defining images of the subject object together with a calibration pattern recorded at different relative recording positions and/or orientations, the subject object being positioned relative to the calibration pattern so that a selected part of the subject object which is to appear in an image faces in a predetermined direction relative to the calibration pattern;

20 processing the image data to calculate the relative positions and orientations at which the images were recorded by comparing the calibration pattern in the images with stored data defining the calibration pattern; and

25 generating data defining an image of the selected

part of the subject object in dependence upon the stored calibration pattern and the received image data.

23. A method according to claim 21 or claim 22, wherein,  
5 to generate data defining an image, an image defined by the received data is selected in dependence upon the calculated recording positions and orientations relative to the stored calibration pattern, and the image data is generated in dependence upon the selected image data.

10 24. A method according to claim 23, wherein the generated image data comprises the selected image data.

15 25. A method according to claim 21 or claim 22, further comprising the step of transmitting a signal conveying the generated image data.

26. A method of processing data defining a three-dimensional computer model, comprising:

20 receiving data defining a three-dimensional computer model and data defining at least one of a position and a direction relative to the three-dimensional computer model; and

25 positioning the three-dimensional computer model relative to a predefined virtual viewing camera in

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